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Version:

User Manual V1.0 for 671MX Series motherboard.
P/N: 3A220LY00-000-G

Symbol description:

Note: Refers to important information that can help you to use motherboard better.

Attention: Indicates that it may damage hardware or cause data loss, and tells you how to avoid such problems.

Warning: Means that a potential risk of property damage or physical injury exists.

More information:

If you want more information about our products, please visit Foxconn's website: http://www.foxconnchannel.com

WEEE: The use of the symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Declaration of conformity

CE

HON HAI PRECISION INDUSTRY COMPANY LTD
66 , CHUNG SHAN RD., TU-CHENG INDUSTRIAL DISTRICT,
TAIPEI HSIEN, TAIWAN, R.O.C.

declares that the product

Motherboard

671MX

is in conformity with
(reference to the specification under which conformity is declared in accordance with 89/336 EEC-EMC Directive)

☑ EN 55022: 1998/A2: 2003	Limits and methods of measurements of radio disturbance characteristics of information technology equipment
☑ EN 61000-3-2/:2000	Electromagnetic compatibility (EMC) Part 3: Limits Section 2: Limits for harmonic current emissions (equipment input current <= 16A per phase)
☑ EN 61000-3-3/A1:2001	Electromagnetic compatibility (EMC) Part 3: Limits Section 2: Limits of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current <= 16A
☑ EN 55024/A2:2003	Information technology equipment-Immunity characteristics limits and methods of measurement

Signature : James Liang Place / Date : TAIPEI/2007

Printed Name : James Liang Position/ Title : Assistant President

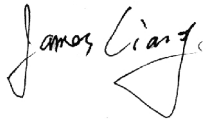
Declaration of conformity

Trade Name:	FOXCONN
Model Name:	671MX
Responsible Party:	PCE Industry Inc.
Address:	458 E. Lambert Rd.
	Fullerton, CA 92835
Telephone:	714-738-8868
Facsimile:	714-738-8838
Equipment Classification:	FCC Class B Subassembly
Type of Product:	Motherboard
Manufacturer:	**HON HAI PRECISION INDUSTRY COMPANY LTD**
Address:	66 , CHUNG SHAN RD., TU-CHENG INDUSTRIAL DISTRICT, TAIPEI HSIEN, TAIWAN, R.O.C.

Supplementary Information:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Tested to comply with FCC standards.

Signature :  Date : 2007

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Attention:

1. Attach the CPU and heatsink using silica gel to ensure full contact.
2. It is suggested to select high-quality, certified fans in order to avoid damage to the motherboard and CPU due high temperatures.
3. Never turn on the machine if the CPU fan is not properly installed.
4. Ensure that the DC power supply is turned off before inserting or removing expansion cards or other peripherals, especially when you insert or remove a memory module. Failure to switch off the DC power supply may result in serious damage to your system or memory module.

Attention:

We cannot guarantee that your system will operate normally while overclock. Normal operation depends on the overclock capacity of your device.

Attention:

Since BIOS programs are upgraded from time to time, the BIOS description in this manual is just for reference. We do not guarantee that the content of this manual will remain consistent with the actual BIOS version at any given time in the future.

Attention:

The pictures of objects used in this manual are just for your reference. Please refer to the physical motherboard.

Attention:

Please visit the Foxconn global English website (http://www.foxconnchannel.com) to download the latest BIOS file and drivers for this motherboard.

Chapter 1

Thank you for buying Foxconn 671MX Series motherboard. This series of motherboard is one of our new products, and offers superior performance, reliability and quality, at a reasonable price. This motherboard adopts the advanced SiS 671 + SiS 968 chipset, providing a computer platform with high integration, powerful compatibility and high performance-price ratio for users.

This chapter includes the following information:

- Specifications
- Jumpers

Specifications - - English

Size	• Micro ATX form factor : 244 mm x 203 mm
CPU	• LGA775 socket for Intel® Core™ 2 Duo, Pentium® D, Pentium® 4, Celeron® D processors
Chipset	• Northbridge: SiS 671 • Southbridge: SiS 968
Front Side Bus	• 1066MHz (O.C) / 800MHz / 533MHz
Memory	• 2 x 240-pin DIMM slots • Supports Single-Channel DDR2 667 / 533 / 400 • Supports up to 4GB
Expansion Slots	• 1 x PCI Express x16 slot • 1 x PCI Express x1 slot • 2 x PCI slots
Audio	• Realtek ALC662 6-channel Audio CODEC • Supports S/PDIF output, Jack-Sensing function, Intel® High Definition Audio
LAN	• Broadcom AC131 10/100 LAN PHY • Realtek RTL8100C 10/100 Mb/s LAN (optional)
Storage	• 2 x Ultra DMA 133/100/66 devices • 2 x SATA 300MB/s devices • RAID 0, RAID 1 configuration
Rear Panel I/O	• 1 x PS/2 Mouse Port • 1 x PS/2 Keyboard Port • 1 x Serial Port(COM1) • 1 x Parallel Port • 1 x VGA Port • 4 x USB 2.0 Ports • 1 x RJ45 LAN Port • 6-channel Audio Ports

(continued on the next page)

Internal I/O Connectors	• 2 x USB 2.0 headers (supports 4 USB 2.0 ports) • 2 x SATA connectors • 1 x Floppy connector • 1 x IDE connector • 1 x Chassis intruder header (INTR) • 1 x CD_IN header • 1 x Speaker header • 1 x S/PDIF_OUT header • 1 x TPM header (optional) • 1 x COM2 header (optional) • 1 x Front Audio connector • 1 x 24-pin ATX Power Connector • 1 x 4-pin ATX_12V Power Connector • 1 x IrDA header • 1 x CPU Fan connector • 1 x System Fan connector • Front panel connector
Support CD	• Driver • Utility
Note	• Due to the specification limitation in mainboard, the power consumption of the CPU should be not more than 95W; Otherwise, it will not work.

• Specifications are subject to change without notice

产品规格- -简体中文

尺寸	• mATX 结构: 244mm x 203mm
中央处理器	• 支持采用 LGA775 封装的 Intel® Core™ 2 Duo, Pentium® D,Pentium® 4,Celeron® D处理器
芯片组	• 北桥：SiS 671 • 南桥：SiS 968
系统总线	• 1066MHz(O.C)/800MHz/533MHz
内存	• 2 个 240针脚内存插槽 • 支持单通道DDR2 667/533/400 • 内存总容量最大可达4GB
扩展槽	• 1 个 PCI Express x16 插槽 • 1 个 PCI Express x1 插槽 • 2 个 PCI 插槽
音频	• Realtek ALC662 6 声道音频编解码器 • 支持 S/PDIF 输出,Jack-Sensing 功能, Intel® High Definition Audio
LAN	• Broadcom AC131 10/100 LAN PHY • Realtek RTL8100C 10/100Mb/s LAN（选配）
存储	• 2 个 Ultra DMA 133/100/66 设备 • 2 个 SATA 300MB/s 设备 • RAID 0,RAID 1 配置
后面板I/O	• 1 个 PS/2 鼠标接口 • 1 个 PS/2 键盘接口 • 1 个 串行接口（COM1） • 1 个 并行接口 • 1 个 VGA 接口 • 4 个 USB 2.0 接口 • 1 个 RJ45 网络接口 • 6 声道音频接口

(下页继续)

内置连接器	• **2** 个 **USB 2.0** 接头（提供 **4 USB 2.0** 接口） • **2** 个 **SATA** 接头 • **1** 个 软驱接口 • **1** 个 **IDE** 接口 • **1** 个 机箱开启侦测接头**(INTR)** • **1** 个 **CD_IN** 接头 • **1** 个 **Speaker** 接头 • **1** 个 **S/PDIF_OUT** 接头 • **1** 个 **TPM** 接头（选配） • **1** 个 **COM2** 接头（选配） • **1** 个 前置音频接头 • **1** 个 **24** 针**ATX** 电源接口 • **1** 个 **4** 针 **ATX_12V** 电源接口 • **1** 个 红外线通讯接头 • **1** 个 **CPU**风扇接头 • **1** 个 系统风扇接头 • 前端面板接头
实用程序光盘	• 驱动程序 • 应用程序
备注	• 由于主板规格所限，请选择安装功耗小于或等于**95W**的**CPU**，否则将不能正常工作。

• 规格若有任何更改，恕不另行通知

Technische Daten--*Deutsch*

Größe	• Micro ATX-Formfaktor: 244 mm x 203 mm
CPU	• LGA775-Sockel für Intel®_ CoreTM 2 Duo-, Pentium®_D-, Pentium®_4-, Celeron®_D-Prozessoren
Chipsatz	• Northbridge: SiS 671 • Southbridge: SiS 968
Front Side Bus	• 1066MHz (Übertaktung) / 800MHz / 533MHz
Speicher	• 2 X 240-polige DIMM-Steckplätze • Unterstützt Single-Channel DDR2 667 / 533 / 400 • Unterstützt bis 4 GB
Erweiterungs steckplätze	• 1 x PCI Express x16-Steckplatz • 1 x PCI Express x1-Steckplatz • 2 x PCI-Steckplätze
Audio	• Realtek ALC662 6-Kanal-Audio CODEC • Unterstützt S/PDIF-Ausgang, Anschlusserkennung, Intel® High Definition Audio
LAN	• Broadcom AC131 10/100 LAN PHY • Realtek RTL8100C 10/100 Mb/s LAN (optional)
Speichergeräte	• 2 x Ultra DMA 133/100/66-Geräte, • 2 x SATA-Geräte, 300 MB/s • RAID-Konfiguration 0, 1
I/O-Anschlüsse an der Rückseite	• 1 x PS/2-Mausanschluss • 1 x PS/2-Tastaturanschluss • 1 x Seriellanschluss(COM1) • 1 x Parallelanschluss • 1 x VGA-Port • 4 x USB 2.0-Ports • 1 x RJ45-LAN-Port • 6-Kanal-Audio-Ports

(Fortsetzung auf der nächsten Seite)

Interne I/O-Anschlüsse	• 2 x USB 2.0-Anschlussleisten (Unterstützung für 4 USB 2.0-Ports) • 2 x SATA-Anschlüsse • 1 x Diskettenlaufwerkanschluss • 1 x IDE-Anschluss • 1 x Gehäuse-offen-Anschluss (INTR) • 1 x CD_IN-Anschluss • 1 x Lautsprecher-Anschluss • 1 x S/PDIF_OUT-Anschluss • 1 x TPM-Anschluss (optional) • 1 x COM2-Port-Anschluss (optional) • 1 x Front-Audio-Anschluss • 1 x ATX Power, 24-polig-Anschluss • 1 x ATX_12V Power, 4-polig-Anschluss • 1 x IrDA-Anschluss • 1 x CPU-Lüfter-Anschluss • 1 x Systemlüfter-Anschluss • Frontbedienfeld-Anschluss
Support-CD	• Treibe • Dienstprogramme
Hinweis	• Aufgrund von Spezifikationslimitierungen des Mainboards sollte der Stromverbrauch der CPU 95 W nicht überschreiten. Andernfalls sind Betriebsstörungen vorprogrammiert

• Angaben können sich ohne Vorankündigung ändern.

Características--*Español*

Tamaño	• Micro ATX factor de forma: 244mm x 203mm
CPU	• Conector LGA775 para procesadores Intel® CoreTM 2 Duo,Pentium® D, Pentium® 4, Celeron® D
Conjunto de chips	• Northbridge: SiS 671 • Southbridge: SiS 968
Bus frontal	• 1066MHz (OverClock) / 800MHz /533MHz
Memoria	• 2 x ranuras DIMM de 240-pin • Compatible DDR2 667 / 533 / 400 de un solo canal • Compatible con hasta 4GB
Ranuras de expansión	• 1 x ranura PCI Express x16 • 1 x ranura PCI Express x1 • 2 x ranuras PCI
Audio	• Realtek ALC662 6 canales Audio CODEC • Compatible salida S/PDIF, sensible a conexión, sonido Intel® de Alta Definición
LAN	• Broadcom AC131 10/100 LAN PHY • Realtek RTL8100C 10/100 Mb/s LAN (opcional)
Almacenamiento	• 2 X dispositivos Ultra DMA 133/100/66 • Dispositivo 2 SATA 300MB/s • Configuración RAID 0, RAID 1
Panel de E/S trasero	• 1 x Puerto de ratón PS/2 • 1 x Puerto de teclado PS/2 • 1 x Puerto Serie(COM1) • 1 x Puerto Paralelo • 1 x Puerto de VGA • 4 x Puertos USB 2.0 • 1 x Puerto LAN RJ45 • Puertos 6 canales Audio

(continúa en la página siguiente)

Conectores internos de E/S	• 2 x Cabeceras USB 2.0 (admite 4 puertos USB 2.0) • 2 x Conectores SATA • 1 x Conector de disco flexible • 1 x Conector de IDE • 1 x Cabecera de intrusos en bastidor (INTR) • 1 x Cabecera de CD_IN • 1 x Cabecera de altavoz • 1 x Cabecera S/PDIF_OUT • 1 x Cabecera TPM (opcional) • 1 x Conector de puerto COM2 (opcional) • 1 x Conector de Audio frontal • 1 x Conector de 24-pin ATX Power • 1 x Conector de 4-pin ATX_12V Power • 1 x Cabecera de IrDA • 1 x Conector de ventilador de CPU • 1 x Conector de ventilador de Sistema • Conector de panel frontal
CD de soporte	• Controlador • Utilidades
Nota	• Debido a las limitaciones de diseño de la placa base, el consumo de energía de la CPU no debe superar los 95W; de lo contrario no funcionará.

• Las características se encuentran sujetas a cambios sin aviso previo.

Especificações--*Portugués*

Tamanho	• Factor de forma Micro ATX de 244 x 203 mm
CPU	• Socket LGA775 para processadores Intel®_ CoreTM 2 Duo, Pentium®_D, Pentium®_4, Celeron®_D
Chipset	• Northbridge: SiS 671 • Southbridge: SiS 968
FSB(FrontSide Bus)	• 1066MHz (OverClock) / 800MHz / 533MHz
Memória	• 2 ranhuras DIMM de 240 pinos • Suporta Memória DDR2 667 / 533 / 400 de canal único • Suporta até 4 GB
Ranhuras de expansão	• 1 ranhura PCI Express x16 • 1 ranhura PCI Express x1 • 2 ranhuras PCI
Áudio	• Realtek ALC662 com 6 canais, codec de áudio • Suporta saída S/PDIF, função Jack-Sensing, áudio de alta definição da Intel®
LAN	• Broadcom AC131 10/100 LAN PHY • Realtek RTL8100C 10/100 Mb/s LAN (opcional)
Armazenamento	• 2 dispositivos Ultra DMA 133/100/66 • 2 dispositivos SATA de 300 MB/s • Configuração RAID 0, RAID1
Entrada/Saída pelo painel traseiro	• 1 x Porta para rato PS/2 • 1 x Porta para Teclado PS/2 • 1 x Porta série (COM1) • 1 x Porta paralela • 1 x Porta VGA • 4 x Portas USB 2.0 • 1 x Porta LAN RJ45 • Portas 6 canais, áudio

(continua na página seguinte)

Conectores internos de entrada/saída	• 2 x Conectores USB 2.0 (para 4 portas USB 2.0) • 2 x Conectores SATA • 1 x Conector da unidade de disquetes • 1 x Conector IDE • 1 x Conector para detecção de intrusão no chassis(INTR) • 1 x Conector CD_IN • 1 x Conector de altifalante • 1 x Conector S/PDIF_OUT • 1 x Conector TPM (opcional) • 1 x Conector da porta COM2 (opcional) • 1 x Conector Áudio frontal • 1 x Conector de alimentação ATX de 24 pinos • 1 x Conector de alimentação ATX de 4 pinos e de 12 V • 1 x Conector IrDA • 1 x Conector da ventoinha da CPU • 1 x Conector ventoinha do sistema • Conector de painel frontal
CD de suporte	• Controlador • Utilitários
Nota	• Devido ąs limitaēões em termos das especificaēões da placa principal, o consumo de energia da CPU nćo deve ser superior a 95 W pois caso contrįrio esta nćo funcionarį.

• As especificações estão sujeitas a alteração sem aviso prévio.

Specifiche- -*Italiano*

Dimensioni	• Formato micro ATX: 244 mm x 203 mm
CPU	• Socket LGA775 per processori Intel® CoreTM 2 Duo, Pentium® D, Pentium® 4, Celeron® D
Chipset	• Northbridge: SiS 671 • Southbridge: SiS 968
FSB(FrontSide Bus)	• 1066MHz (OverClock) / 800MHz / 533MHz
Memoria	• 2 alloggi DIMM 240 pin • Supporto Single-Channel DDR2 667 / 533 / 400 • Supporto fino a 4GB
Alloggi d'espansione	• 1 Alloggio PCI Express x16 • 1 Alloggio PCI Express • 2 Alloggi PCI
Audio	• Realtek ALC662 6-canali audio CODEC • Supporto output S/PDIF, funzione di rilevamento connettori, Intel® High Definition Audio
LAN	• Broadcom AC131 10/100 LAN PHY • Realtek RTL8100C 10/100 Mb/s LAN (optional)
Archivio	• 2 dispositivi Ultra DMA 133/100/66 • 2 dispositivi SATA 300MB/s • Configurazione RAID 0, RAID12
Pannello posteriore I/O	• 1 x Porta mouse PS/2 • 1 x Porta tastiera PS/2 • 1 x Porta Seriale (COM1) • 1 x Porta Parallela • 1 x Porta VGA • 4 x Porta USB 2.0 • 1 x Porta LAN RJ45 • Porta 6-canali audio

(segue alla pagina successiva)

Connettori I/O interni	• 2 x Collettori USB 2.0 (supportano 4 porte USB 2.0) • 2 x Connettori SATA • 1 x Connettore Floppy • 1 x Connettore IDE • 1 x Collettore intrusione telaio (INTR) • 1 x Collettore CD_IN • 1 x Collettore Altoparlante • 1 x Collettore S/PDIF_OUT • 1 x CollettoreTPM (optional) • 1 x Collettore porta COM2 (optional) • 1 x Connettore Audio frontale • 1 x Connettore potenza ATX 24 pin • 1 x Connettore potenza ATX_12V 4 pin • 1 x Connettore IrDA • 1 x Connettore ventolina CPU • 1 x Connettore ventolina di sistema • Connettore pannello frontale
CD di supporto	• Driver • Utilità
Nota	• A causa delle limitazioni delle specifiche della scheda madre, il consumo energetico della CPU non deve essere superiore a 95W; diversamente non funzionerą.

• Le specifiche tecniche sono soggette a cambiamenti senza preavviso.

Технические характеристики- -*Русский*

CPU	• Форм-фактор микро-ATX размером 244 x 203 мм
Процессор	• Гнездо LGA775 для процессоров Intel®_ CoreTM 2 Duo, Pentium®_D, Pentium®_4, Celeron®_D
Набор микросхем	• Северный мост: SiS 671 • Южный мост: SiS 968
Частота системной шины	• 1066 МГц (дополнительный) , 800 МГц , 533 МГц
Память	• 2 240-контактных гнезда DIMM • Поддержка Одноканальная память DDR2 667 / 533 / 400 • Поддержка до 4 Гб
Слоты расширения	• Один слот PCI Express x16 • Один слот PCI Express x1 • 2 слота PCI
Звук	• Realtek ALC662 6 каналов, звуковой КОДЕК, • Поддержка Выход S/PDIF, функция определения разъема, поддержка технологии Intel® High Definition Audio
ЛВС	• Broadcom AC131 10/100 ЛВС PHY • Realtek RTL8100C 10/100 Мбит/с ЛВС (дополнительный)
Устройство хранения	• 2 устройства с интерфейсом Ultra DMA 133/100/66 • 2 устройств с интерфейсом SATA и скоростью передачи данных 300 Мб/с • Конфигурации RAID 0,RAID 1
Входы и выходы на задней панели	• 1 Порт мыши PS/2 • 1 Порт Клавиатура PS/2 • 1 Последовательный порт (COM1) • 1 Параллельный порт • 1 Порт VGA • 4 Порты USB 2.0 • 1 Разъем ЛВС RJ45 • Порты 6 каналов, звуковой

(продолжение на следующей странице)

Встроенные входы и выходы	• 2 Разъемы USB 2.0 (поддержка 4 портов USB 2.0) • 2 Разъемы SATA • 1 Разъем дисковода гибких дисков • 1 Разъем IDE • 1 Разъем датчика открывания корпуса (INTR) • 1 Разъем CD_IN • 1 Разъем Динамик • 1 Разъем выход S/PDIF • 1 Разъем TPM (дополнительный) • 1 Разъем порт COM2 (дополнительный) • 1 Передний звуковой разъем • 1 Разъем 24-контактный ATX • 1 Разъем 4-контактый ATX_12V • 1 Разъем ИК-порт • 1 Разъем Вентилятор CPU • 1 Разъем системный вентилятор • Передняя панель разъем
Поддержка компакт-дисков	• Драйвер • Служебная программа
Примечание	• Из-за ограничений спецификаций системной платы потребляемая мощность ЦП не должна превышать 95 Вт, в противном случае он не будет работать.

• Технические характеристики могут изменяться без уведомления.

مواصفات -لعربيــة

الحجم	• حاوية من نوع Micro ATX مقاس 244مم × 203مم
وحدة المعالجة المركزية	• مقبس LGA775 لمعالجات Intel®_CoreTM 2 Duo و Pentium®_D و Pentium®_4 و Celeron®_D.
الرقائق	• الجسر الشمالي (Northbridge):SiS 671 • الجسر الجنوبي (Southbridge):SiS 968
نقل الجلب الأمامي	• 1066 ميجا هرتز (حامل بصري)/ 800 ميجا هرتز/ 533 ميجا هرتز
الذاكرة	• عدد 2 قحلت DIMM × 240 دبوسا دعم التصميم ثنائي القناة 400/ 533/667 Single-Channel DDR2 • دعم يصل إلى 4 جيجا بايت
فتحات التوسعة	• عدد 1 فتحة PCI Express x16 • عدد 1 فتحة PCI Express x1 • عدد 2 فتحات PCI
الصوت	• ترميز صوتي بست قوات بتقنية Realtek ALC662 • دعم خرج S/PDIF، وظيفة استشعار المقبس، تقنية Intel® High Definition Audio
شبكة الاتصال المحلية	• Broadcom AC131 10/100 LAN PHY • LAN Realtek RTL8100C 10/100 Mb/s (اختياري)
التخزين	• الجسر الجنوبي يدعم: • عدد 2 أجهزة Ultra DMA 133/100/66 • عدد 2 أجهزة SATA 300MB/s • تهيئة RAID 0, RAID 1
منافذ الدخل/الخرج للوحة الخلفية	• عدد 1 منفذ ملوس PS/2 • عدد 1 منفذ لوحة مفاتيح PS/2 • عدد 1 منفذ تسلسلي (COM1) • عدد1فذ متوازي • عدد 1 منفذ VGA • عدد 4 مناقذ USB 2.0 • عدد 1 منفذ شبكة اتصل محلية RJ45 • مناقذ صوتي بست قوات بتقنية

تابع الصفحة التالية

منافذ توصيل الدخل/الخرج الداخلية	• عدد **2** أطراف توصيل **USB 2.0** (تدعم **4** منافذ **USB 2.0**) • عدد **2** منافذ توصيل **SATA** • عدد **1** منفذ توصيل محرك الأقراص المرنة • عدد **1** منفذ توصيل IDE • عدد **1** طرف توصيل **Intruder** للهيكل (**INTR**) • عدد **1** طرف توصيل CD_IN • عدد **1** طرف توصيل السماعة • عدد **1** طرف توصيل دخل **S/PDIF** • عدد **1** طرف توصيل **TPM** (اختياري) • عدد **1** منفذ توصيل **COM2** (اختياري) • موصل الصوت الأمامي • عدد **1** موصل طاقة **ATX** ٢٤ دبوس • عدد **1** موصل طاقة **ATX_12V** ×**4** دبابيس • عدد **1** طرف توصيل **IrDA** • عدد **1** مروحة لوحدة المعالجة المركزية • عدد **1** موصل لمروحة النظام • موصل اللوحة الأمامية
دعم القرص المدمج	• برنامج التشغيل • الأدلة
ملاحظة	• نظراً لمحدودية مواصفات اللوحة الرئيسية، يجب ألا يزيد استهلاك وحدة المعالجة المركزية من الطاقة عن 95 وات وإلا فإن اللوحة لن تعمل تماماً.

• قد تتغير المواصفات بدون إخطار مسبق.

Jumpers

This section explains how to setup jumpers. You should read the following content carefully prior to modifying any jumper settings.

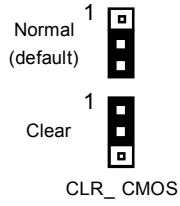
Attention

The jumpers on the motherboard, pin 1 can be identified by the bold silkscreen next to it. and in this manual, pin 1 is simply labeled as “1”.

Clear CMOS Jumper: CLR_CMOS

The CLR_CMOS jumper allows you to clear the data in CMOS. The data includes system setup information such as system password, data, time and system setup parameters. To clear and reset the system parameters to default setup, please do as follows:

1. Turn off the computer and unplug the power cord from the power supply.
2. Move the jumper cap from pins 2-3 (default) to pins 1-2. Keep the cap on pins 1-2 for several seconds, then move the cap back to pins 2-3.
3. Plug the power cord, turn on the computer and reset the BIOS to default setting or the others.



USB device wake-up Jumper: USB_PWR1/2

1.Set the jumper to pins 1-2(+5V), you can use any USB device but can not be used to wake up computer. When connecting USB device, you should set “CMOS Setup”->“Power Management Setup”->“USB Port Wake Up Control” to“Disabled”, otherwise system will not enter into S3 mode.

2.Set the jumper to pins 2-3(+5VSB) to wake up the computer from S3 and S4 sleep modes using the connected USB devices. But can not connect several high-powered USB devices to the computer at the same time, and a corresponding setting in the BIOS is as below:

Set “CMOS Setup”->“Power Management Setup”->“USB Port Wake Up Control” to “Enabled”.

USB_PWR1/2

Note:

The USB_PWR2 jumper is for the rear USB ports.

The USB_PWR1 jumper is for the internal USB connectors that you can connect to additional USB ports.

Chapter 2

This chapter tells how to change system settings through the BIOS Setup menus. Detailed descriptions of the BIOS parameters are also provided.

You have to run the Setup Program when the following cases occur:

1. An error message appears on the screen during the system POST process.
2. You want to change the default CMOS settings.

This chapter includes the following information:

- Enter BIOS Setup
- Main Menu
- Standard CMOS Features
- Fox Central Control Unit
- Advanced BIOS Features
- Advanced Chipset Features
- Integrated Peripherals
- Power Management Setup
- PnP/PCI Configurations
- PC Health Status
- Load Optimized Defaults
- Set Supervisor / User Password
- Save & Exit Setup
- Exit Without Saving

Enter BIOS Setup

The BIOS is the communication bridge between hardware and software, correctly setting up the BIOS parameters is critical to maintain optimal system performance. Power on the computer, when the following message briefly appears at the bottom of the screen during the POST (Power On Self Test), press <Del> key to enter the AWARD BIOS CMOS Setup Utility.

Press TAB to show POST Screen, DEL to enter SETUP, ESC to enter Boot Menu.

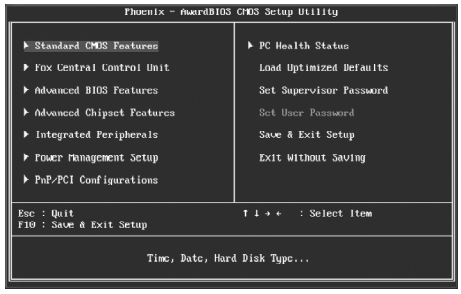
If you want to enter the BIOS, you must press the <Del> button within 3-5 seconds of the appearance of the above message.

Note:

We do not suggest that you change the default parameters in the BIOS Setup, and we shall not be responsible for any damage that result from any changes that you make.

Main Menu

The main menu allows you to select from the list of setup functions and two exit choices. Use the arrow keys to select among the items and press <Enter> to accept or go to the sub-menu.



Main Menu

The items in the main menu are explained as below:

1. Standard CMOS Features

The basic system configuration can be set up through this menu.

2. Fox Central Control Unit

The special features can be set up through this menu.

3. Advanced BIOS Features

The advanced system features can be set up through this menu.

4. Advanced Chipset Features

The values for the chipset can be changed through this menu, and the

system performance can be optimized.

5. Integrated Peripherals

All onboard peripherals can be set up through this menu.

6. Power Management Setup

All the items of Green function features can be set up through this menu.

7. PnP/PCI Configurations

The system's PnP/PCI settings and parameters can be modified through this menu.

8. PC Health Status

This will display the current status of your PC.

9. Load Optimized Defaults

The optimal performance settings can be loaded through this menu, however, the stable default values may be affected.

10. Set Supervisor / User Password

The Supervisor / User password can be set up through this menu.

11. Save & Exit Setup

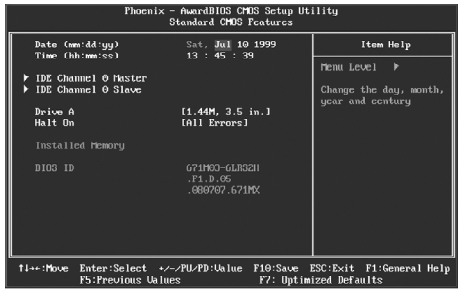
Save CMOS value settings to CMOS and exit setup.

12. Exit Without Saving

Abandon all CMOS value changes and exit setup.

1. Standard CMOS Features

This sub-menu is used to set up the standard CMOS features, such as the date, time, HDD model and so on. Use the arrow keys select the item to set up, and then use the <PgUp> or <PgDn> keys to choose the setting values.


Phoenix - AwardBIOS CMOS Setup Utility
Standard CMOS Features
Date (mm:dd:yy) Sat, Jul 10 1999
Time (hh:mm:ss) 13 : 45 : 39
IDE Channel 0 Master
IDE Channel 0 Slave
Drive A [1.44M, 3.5 in.]
Halt On [All Errors]
Installed Memory
BIOS ID
Item Help
Menu Level ▶
Change the day, month, year and century
↑↓→←:Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help
F5:Previous Values F7: Optimized Defaults

Standard CMOS Features Menu

1.1 Date

This option allows you to set the desired date (usually as the current day) with the <day><month><date><year> format.

Day—weekday from Sun. to Sat., defined by BIOS (read-only).

Month—month from Jan. to Dec..

Date—date from 1st to 31st, can be changed using the keyboard.

Year—year, set up by users.

1.2 Time

This option allows you to set up the desired time (usually the current day) with <hour><minute><second> format.

1.3 IDE Channel 0 Master/Slave

These categories identify the HDD types installed in the computer system. There are three choices provided for the Enhanced IDE BIOS: None, Auto, and Manual. “None” means no HDD is installed or set; “Auto” means the system can auto-detect the hard disk when booting up; by choosing “Manual” and changing Access Mode to “CHS”, the related information should be entered manually. Enter the information directly from the keyboard and press < Enter>:

Cylinder	number of cylinders	Head	number of heads
Precomp	write pre-compensation	Landing Zone	landing zone
Sector	number of sectors		

Award (Phoenix) BIOS can support 3 HDD modes: CHS, LBA and Large or Auto mode.

CHS	For HDD<528MB
LBA	For HDD>528MB & supporting LBA (Logical Block Addressing)
Large	For HDD>528MB but not supporting LBA
Auto	Recommended mode

1.4 Drive A

This option allows you to select the kind of FDD to be installed, including “None”, [360K, 5.25 in], [1.2M, 5.25 in], [720K, 3.5 in], [1.44M, 3.5 in] and [2.88 M, 3.5 in].

1.5 Halt On

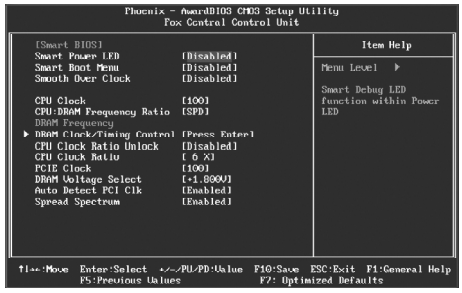
This category determines whether or not the computer will stop if an error is detected during powering up.

All Errors	Whenever the BIOS detects a nonfatal error, the system will stop and you will be prompted.
No Errors	The system boot will not stop for any errors that may be detected.
All, But Keyboard	The system boot will not stop for a keyboard error; but it will stop for all other errors.
All, But Diskette	The system boot will not stop for a floppy disk error; but it will stop for all other errors.
All, But Disk/Key	The system boot will not stop for a keyboard or disk error, but it will stop for all other errors.

1.6 Installed Memory

The option identifies the capacity of memory installed in the system.

2. Fox Central Control Unit


Phoenix - AwardBIOS CMOS Setup Utility
Fox Central Control Unit
[Smart BIOS]
Smart Power LED [Disabled]
Smart Boot Menu [Disabled]
Smooth Over Clock [Disabled]
CPU Clock [100]
CPU:DRAM Frequency Ratio [SPD]
DRAM Frequency
DRAM Clock/Timing Control [Press Enter]
CPU Clock Ratio Unlock [Disabled]
CPU Clock Ratio [6 X]
PCIE Clock [100]
DRAM Voltage Select [+1.800V]
Auto Detect PCI Clk [Enabled]
Spread Spectrum [Enabled]
Item Help
Menu Level
Smart Debug LED function within Power LED
↑↓→←:Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help
F5:Previous Values F7: Optimized Defaults

Fox Central Control Unit Menu

2.1 [Smart BIOS]

2.1.1 Smart Power LED

Smart debug LED function within power LED. Enable this function, the power LED status can show the system status of POST process.

2.1.2 Smart Boot Menu

Smart boot menu with a timer to let user to control boot device easily.

2.1.3 Smooth Over Clock

To open smooth overclock function can let overclock to be more stable.

2.2 CPU Clock

This option is used to set the CPU clock.

2.3 CPU:DRAM Frequency Ratio

This option is used to set the DRAM frequency ratio.

2.4 DRAM Frequency

This option is used to show the DRAM frequency.

2.5 DRAM Clock/Timing Control

Phoenix - AwardBIOS CMOS Setup Utility
DRAM Clock/Timing Control
DDR2 CAS Latency [SPD]
DRAM Timing Control [Auto]
x RAS to CAS Delay(tRCD) 5T
x Precharge Time(tRP) 5T
x RAS Active Time(tRAS) 15T
x Write Recovery Time(tWR) 1T
x DDR2 Additive Latency(tAL) 0T
Item Help
Menu Level
↑↓→←:Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help
F5:Previous Values F7: Optimized Defaults

DRAM Clock/Timing Control Menu

2.5.1 DDR2 CAS Latency

When DDR2 synchronous DRAM is installed, the number of clock cycles of CAS latency depends on the DRAM timing.

2.5.2 DRAM Timing control

Selects whether DRAM timing is controlled by the SPD (Serial Presence Detect) EEPROM on the DRAM module. Setting to “Auto” enables DRAM timings to be determined by BIOS based on the configurations on the SPD. Selecting “Manual” allows users to configure the DRAM timings manually.

Note: The following options can be activated and configured only when this option is set as “Manual”.

2.5.3 RAS to CAS Delay (tRCD)

This is the amount of time a CAS of performed after a RAS. The lower the better, but some DRAM does not support low features.

2.5.4 Precharge Time (tRP)

It is used to set the precharge time of RAS.

2.5.5.RAS Active Time (tRAS)

This option allows you to set the amount of time a RAS can be ketp open for multiple accesses. High figures will improve performance.

2.5.6 Write Recovery Time (tWR)

It is used to set the write recovery time.

2.5.7 DDR2 Additive Latency (tAL)

It is used to set the DDR2 Additive Latency time.

2.6 CPU Clock Ratio Unlock

This option is used to unlock CPU clock ratio.

2.7 CPU Clock Ratio

This option is used to set the ratio of an unlocked CPU. Using different CPU, the setting values are different.

2.8 PCIE Clock

This option is used to set the PCI Express clock.

2.9 DRAM Voltage Select

This option is used to set DRAM voltage.

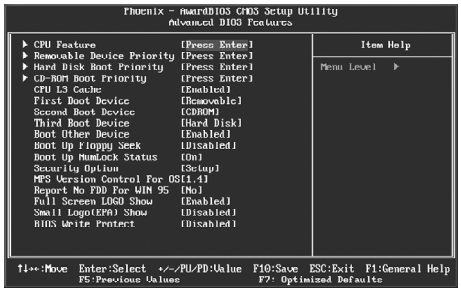
2.10 Auto Detect PCI Clk

This option is used to set whether the clock of an unused PCI slot will be disabled to reduce electromagnetic interference.

2.11 Spread Spectrum

If you enable spread spectrum, it can significantly reduce the EMI (Electro-Magnetic Interference) generated by the system.

3. Advanced BIOS Features


Phoenix - AwardBIOS CMOS Setup Utility
Advanced BIOS Features
CPU Feature [Press Enter]
Removable Device Priority [Press Enter]
Hard Disk Boot Priority [Press Enter]
CD-ROM Boot Priority [Press Enter]
CPU L3 Cache [Enabled]
First Boot Device [Removable]
Second Boot Device [CDROM]
Third Boot Device [Hard Disk]
Boot Other Device [Enabled]
Boot Up Floppy Seek [Disabled]
Boot Up NumLock Status [On]
Security Option [Setup]
MPS Version Control For OS[1.4]
Report No FDD For WIN 95 [No]
Full Screen LOGO Show [Enabled]
Small Logo(EPA) Show [Disabled]
BIOS Write Protect [Disabled]
Item Help
Menu Level
↑↓→←:Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help
F5:Previous Values F7: Optimized Defaults

Advanced BIOS Features Menu

3.1 CPU Feature

Press <Enter> to set the items of CPU feature.

3.2 Removable Device Priority

This option is used to remove the priority for removable device startup. After pressing <Enter>, you can remove the removable device using the <PageUp>/ <PageDn> or Up / Down arrow keys, and change the removable device priority using <+> or <->. To exit this option, press <Esc>.

3.3 Hard Disk Boot Priority

This option is used to select the priority for HDD startup. After pressing <Enter>, you can select the HDD using the <PageUp>/<PageDn> or up / down arrow keys, and change the HDD priority using <+> or <->; you can exit this menu by pressing <Esc>.

3.4 CD-ROM Boot Priority

This option is used to select the priority for CD-ROM startup. After pressing <Enter>, you can select the CD-ROM using the <PageUp>/<PageDn> or Up/ Down arrow keys, and change the CD-ROM priority using <+> or <->. To exit this option, press <Esc>.

3.5 CPU L3 Cache

This option is used to turn on or off the CPU L3 cache.

3.6 First / Second / Third Boot Device

These options allow you to set the boot device's sequence.

3.7 Boot Other Device

With this function set to enable, the system will to boot from some other devices if the first / second / third boot devices failed.

3.8 Boot Up Floppy Seek

If this option is enabled, BIOS will activate the floppy drive during the system boot and the drive's indicator will flash after the activation. The magnetic head will move back and forth from A to B.

3.9 Boot Up NumLock Status

This option defines if the keyboard Num Lock key is active when your system is started.

3.10 Security Option

When it is set to “Setup”, a password is required to enter the CMOS Setup screen; When it is set to “System”, a password is required not only to enter CMOS Setup, but also to start up your PC.

3.11 MPS Version Control For OS

This option is used to set up the version of MPS Table used in NT4.0 OS.

3.12 Report No FDD For Win 95

Set this option to the default if you are running a system with no floppy drive and using Windows 95; this ensures compatibility with the Windows 95 logo.

3.13 Full Screen LOGO Show

This option allows you to enable or disable the full screen logo display feature.

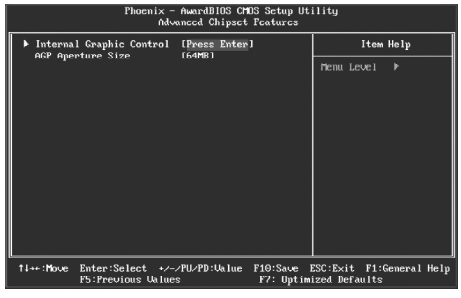
3.14 Small Logo (EPA) Show

This option allows you to enable or disable the EPA logo display feature.

3.15 BIOS Write Protect

This option protects the BIOS from accidental corruption, such as computer viruses. When set to “disabled”, The BIOS’s data can not be changed. If you want to update the BIOS , you need to set this option to enabled.

4. Advanced Chipset Features


Phoenix - AwardBIOS CMOS Setup Utility
Advanced Chipset Features
Internal Graphic Control [Press Enter]
AGP Aperture Size [64MB]
Item Help
Menu Level ▶
↑↓→←:Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help
F5:Previous Values F7: Optimized Defaults

Advanced Chipset Features Menu

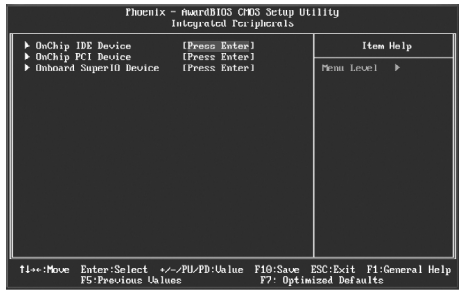
4.1 Internal Graphic Control

Press <Enter> to set the items of Internal Graphic Control.

4.2 AGP Aperture Size

This item is used to determine whether the 15M-16M address field of memory is reserved for the ISA expansion card.

5. Integrated Peripherals


Phoenix - AwardBIOS CMOS Setup Utility
Integrated Peripherals
OnChip IDE Device [Press Enter]
OnChip PCI Device [Press Enter]
Onboard SuperIO Device [Press Enter]
Item Help
Menu Level
↑↓→←:Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help
F5:Previous Values F7: Optimized Defaults

Integrated Peripherals Menu

5.1 OnChip IDE Device

This sub-menu is used for the configuration of IDE devices. You can press <Enter> to set the available values of items.

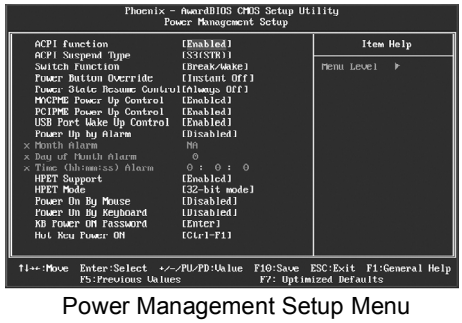
5.2 OnChip PCI Device

This sub-menu is used for the configuration of PCI devices. You can press <Enter> to set the available values of items.

5.3 Onboard SuperIO Device

This sub-menu is used for the configuration of I/O devices, such as serial port, parallel port and so on.

6. Power Management Setup


Phoenix - AwardBIOS CMOS Setup Utility
Power Management Setup
ACPI function [Enabled]
ACPI Suspend Type [S3(STR)]
Switch Function [Break/Wake]
Power Button Override [Instant Off]
Power State Resume Control [Always Off]
MyCPME Power Up Control [Enabled]
PCIPME Power Up Control [Enabled]
USB Port Wake Up Control [Enabled]
Power Up by Alarm [Disabled]
x Month Alarm NA
x Day of Month Alarm 0
x Time (hh:mm:ss) Alarm 0 : 0 : 0
HPET Support [Enabled]
HPET Mode [32-bit mode]
Power On By Mouse [Disabled]
Power On By Keyboard [Disabled]
KB Power ON Password [Enter]
Hot Key Power ON [Ctrl-F1]
Item Help
Menu Level
↑↓→←:Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help
F5:Previous Values F7: Optimized Defaults

Power Management Setup Menu

6.1 ACPI function

ACPI(Advanced Configuration and Power Interface) is a standard that de fines power and configuration management interface between an operating system and the BIOS. In other words, it is a standard that describes how computer components work together to manage system hardware. In order to use this function, the ACPI specification must be supported by the OS (for example, Windows2000 or WindowsXP).

6.2 ACPI Suspend Type

This option is used to set the energy saving mode of the ACPI function. When you select "S1 (P0S)" mode, the power will not shut off and the supply status will remain as it is, in S1 mode the computer can be resumed at any time. When you select "S3 (STR)" mode, the power will be cut off after a delay period. The status of the computer before it enters STR will be saved in memory, and the computer can quickly return to previous status when the STR function wakes.

6.3 Switch Function

You can choose whether or not to permit your system to enter complete suspend mode. Suspend mode offers greater power savings, with a correspondingly longer awakening period.

6.4 Power Button Override

This option is used to set the power down method. This function is only valid for systems using an ATX power supply.

When "Instant Off" is selected, press the power switch to immediately turn off power.

When "Delay 4 Sec" is selected, press and hold the power button for four seconds to turn off power.

6.5 Power State Resume Control

This option is used to control power resume state.

6.6 MACPME Power Up Control

Use this option to enable MAC activity to wakeup the system from a power saving mode.

6.7 PCIPME Power Up Control

Use this option to enable PCI activity to wakeup the system from a power saving mode.

6.8 USB Port Wake Up Control

Use this option to enable USB devices to wakeup the system from a power saving mode.

6.9 Power Up by Alarm

This option is used to set the timing of the start-up function. In order to use this function, the start-up password function must be canceled and the PC power supply must not be turned off.

6.10 Month Alarm

This option is used to set the timing for the start-up month.

6.11 Day of Month Alarm

This option is used to set the timing for the start-up day of the month.

6.12 Time (hh:mm:ss) Alarm

This option is used to set the timing for the start-up time.

6.13 HPET Support

This function increase the performance of the Windows® Vista Multimedia player. Setting this option to [Disabled] is suggested if your PC is running under the Windows® XP operating system(OS).

6.14 HPET Mode

This option is used to set the mode of HPET.

6.15 Power On By Mouse

Allows you to use mouse to turn on the system.

6.16 Power On By Keyboard

Allows you to use specific keys on the keyboard to turn on the system.

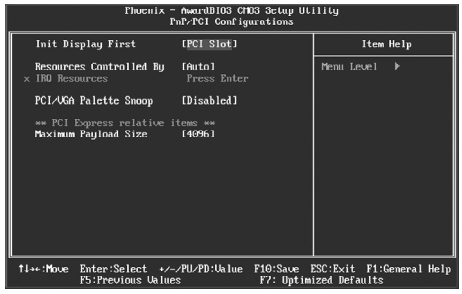
6.17 KB Power On By Password

When “Power On By Keyboare” is enabled, press <Enter> to put in keys on the keyboard to turn on the system.

6.18 Hot Key Power On

This option is used to select the hot key to turn on the system.

7. PnP/PCI Configurations


Phoenix - AwardBIOS CMOS Setup Utility
PnP/PCI Configurations
Init Display First [PCI Slot]
Resources Controlled By [Auto]
x IRQ Resources Press Enter
PCI/VGA Palette Snoop [Disabled]
** PCI Express relative items **
Maximum Payload Size [4096]
Item Help
Menu Level ▶
↑↓→←:Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help
F5:Previous Values F7: Optimized Defaults

PnP/PCI Configurations Menu

7.1 Init Display First

This item is used to set which display device will be used first when your PC starts up.

7.2 Resources Controlled By

This option is used to define the system resource control scheme. If all cards you use support PnP, then select Auto (ESCD) and the BIOS automatically distributes interruption resources. If you install ISA cards not supporting PnP, you will need to select “Manual” and manually adjust interruption resources in the event of hardware conflicts. However, since this motherboard has no ISA slot, this option does not apply.

7.3 IRQ Resources

If you set “Resources Controlled By” for “Manual”, you can modify the item. Press the <Enter> key, then manually set IRQ resources.

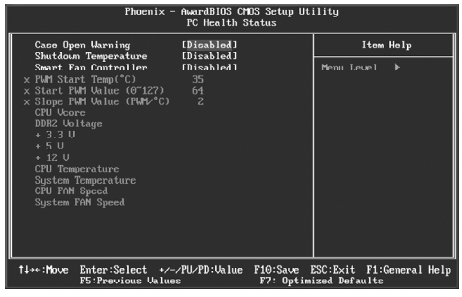
7.4 PCI/VGA Palette Snoop

If you use a non-standard VGA card, use this option to solve graphic acceleration card or MPEG audio card problems (e.g., colors not accurately displayed).

7.5 Maximum Payload Size

This option is used to maximum TLP payload size for PCI Express devices. The unit is byte.

8. PC Health Status



PC Health Status Menu

8.1 Case Open Warning

This option is used to enable or disable case open warning function.

8.2 Shutdown Temperature

This option is used to set the high limit system temperature. When the temperature exceeds the setting value, the motherboard will automatically cut off power to the computer.

8.3 Smart Fan Controller

This option is used to enable or disable smart fan function.

8.4 PWM Start Temp (^{0}C)

This option is used to set beginning temperature. when temperature gets to this value, Smart Fan starts to take effect.

8.5 Start PWM Value (0-127)

This option is used to set the beginning rotated speed for Smart Fan.

8.6 Slope PWM Value (PWM/^{0}C)

This option is used to set the rotated speed level which Smart Fan varies with variational temperature. When temperature increase one degree, rotated speed raises the set level.

8.7 CPU Vcore / DDR2 Voltage / +3.3V / +5V / +12V

The onboard hardware monitor automatically detecteds the voltage output through the onboard voltage regulator.

8.8 CPU Temperature / System Temperature

The CPU / System temperature will be automatically detected by the system.

8.9 CPU / System FAN Speed

The CPU / System fan speed will be automatically detected by the system.

9. Load Optimized Defaults

This menu can let you load the optimized defaults set by BIOS, which have set the optimized performance parameters of system to improve the performances of system components. You can select <Y> or <N> and then press <Enter> to load or not load the optimized defaults.

10. Set Supervisor / User Password

The access rights and permissions associated with the Supervisor password are higher than those of a regular User password. The Supervisor password can be used to start the system or modify the CMOS settings. The User password can also start the system. While the User password can be used to view the current CMOS settings, these settings cannot be modified using the User password. When you select the Set Supervisor / User Password option, the following message will appear in the center of the screen, which will help you to set the password:

Enter Password:

Enter your password, not exceeding 8 characters, then press <Enter>. The password you enter will replace any previous password. When prompted, key in the new password and press <Enter>.

If you do not want to set a password, just press <Enter> when prompted to enter a password, and in the screen the following message will appear. If no password is keyed in, any user can enter the system and view / modify the CMOS settings.

Password Disabled!!!

Press any key to continue …

11. Save & Exit Setup

When you select this option and press <Enter>, the following message will appear in the center of the screen:

SAVE to CMOS and EXIT (Y/N)?Y

Press <Y> to save your changes in CMOS and exit the program; press <N> or <ESC> to return to the main menu.

12. Exit Without Saving

If you select this option and press <Enter>, the following message will appear in the center of the screen:

Quit Without Saving (Y/N)?N

Press <Y> to exit CMOS without saving your modifications; press <N> or <ESC> to return to the main menu.

Chapter 3

This chapter will introduce how to use bundled software.

This chapter provides the following information:

- FOX ONE
- FOX LiveUpdate
- FOX LOGO
- FOX DMI

FOX ONE

FOX ONE is a powerful utility for easily modifying system settings. It also allows users to monitor various temperature values, voltage values, frequency and fan speed at any time.

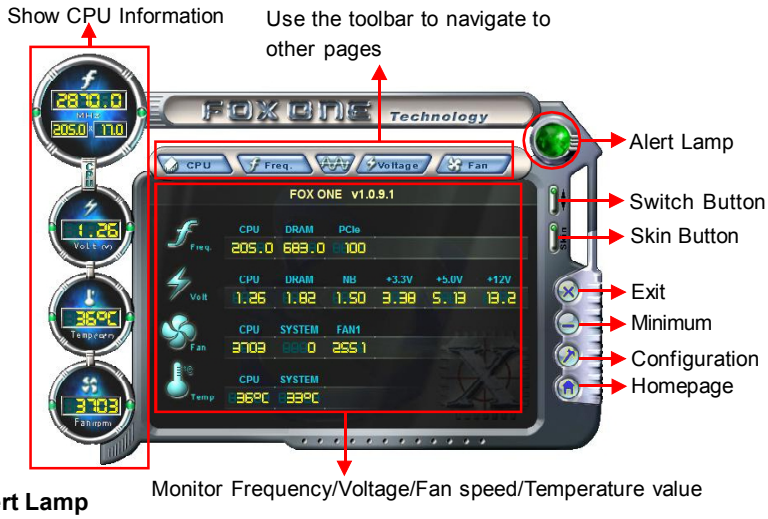
With FOX ONE, you can modify system performance settings such as bus speed, CPU voltage, fan speed, and other system performance options that are supported by the BIOS and you also can monitor hardware temperature, voltage, frequency and fan speed.

Supported Operating Systems:

-Windows 2000
-Windows XP (32-bit and 64-bit)
-Windows 2003 (32-bit and 64-bit)
-Windows Vista (32-bit and 64-bit)

Using FOX ONE:

1. Main Page



Alert Lamp

When the system is in healthy status, the alert lamp color is green. And if the system is in abnormal status, the alert lamp color will turn red.

Switch Button

Click this button, it will simplify the interface to HW monitor information bar as the below figure shows. The bar could help you to monitor if your system is in the healthy status at any time.

Click here to return to previous status

Skin Button

Click this button, you will see the additive figures such as "crystal"and "rock". Please select your favorite skin.

Exit

Click this button to exit the program.

Minimum

Click this button to minimize the window.

Configuration

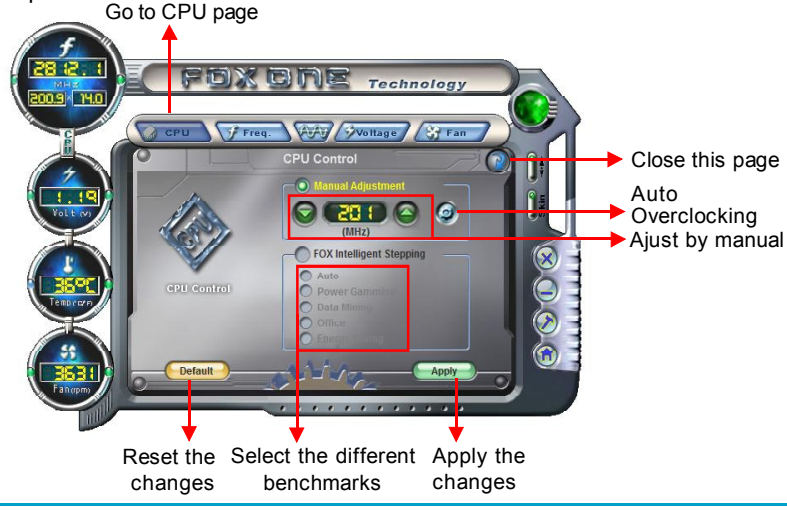
This function is used to configurate the parameters for the program. It determines which items will be shown in simple mode.Besides,it also provides F.I.S calibration function which will re-calibrate the CPU's loading. F.I.S calibration function is optional.

Homepage

Click this button to visit FOXCONN motherboard website.

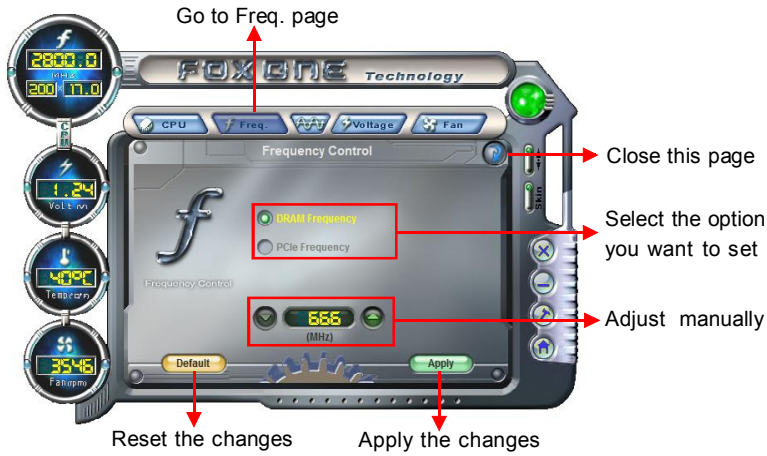
2. CPU Page - CPU Control

This page is used to select and run the CPU frequency to determine the current performance level of the system. You can adjust manually or select "Auto Overclock". Otherwise, it also provides FOX Intelligent Stepping, But this function is optional.



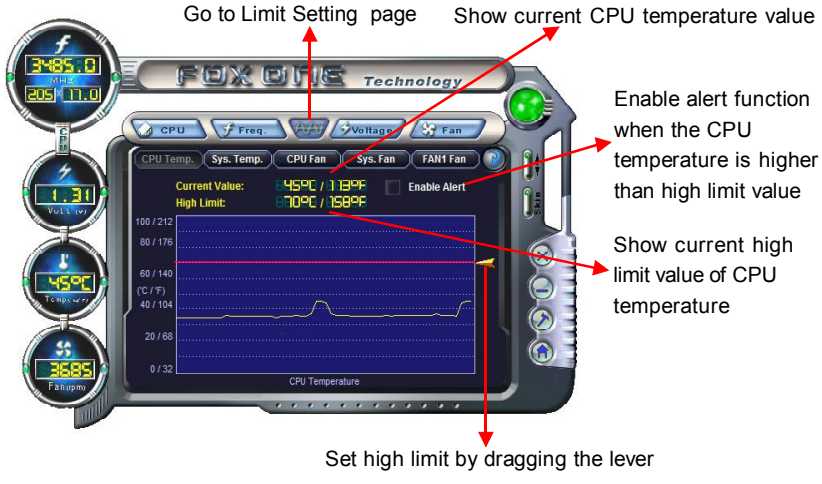
3. Freq. Page - Frequency Control

In this page ,you can set memory and PCI Express frequency manually.



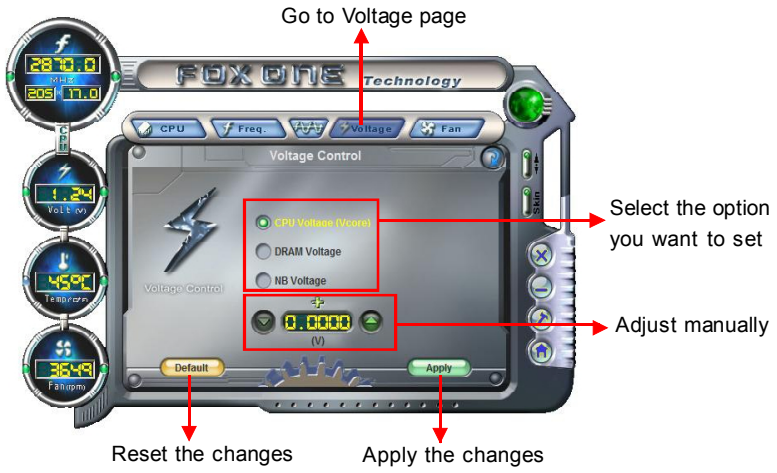
4. Limit Setting - Adjust page

This page includes five different sections. “CPU Temp.” and “Sys Temp.” will help you to set high limit temperature. “CPU Fan”, “Sys. Fan” and “FAN1 fan” are used to set low limit rpm. And all of them have alert function.


Go to Limit Setting page
Show current CPU temperature value
Enable alert function when the CPU temperature is higher than high limit value
Show current high limit value of CPU temperature
Set high limit by dragging the lever

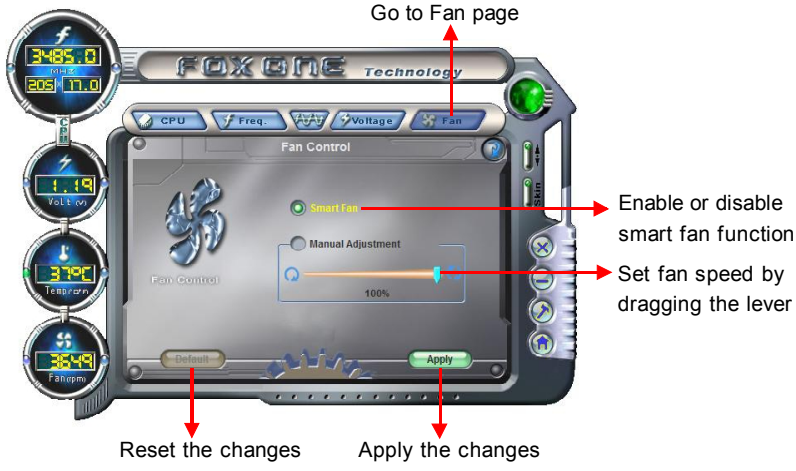
5. Voltage Page - Voltage Control

This page allows you to set CPU, memory and North Bridge voltage manually.



6. Fan Page - Fan Control

This page allows you to enable Smart Fan function and set fan speed manually.



FOX LiveUpdate

FOX LiveUpdate is a useful utility to backup and update the system BIOS online or locally.Drivers and utilities are aslo can be updated online.

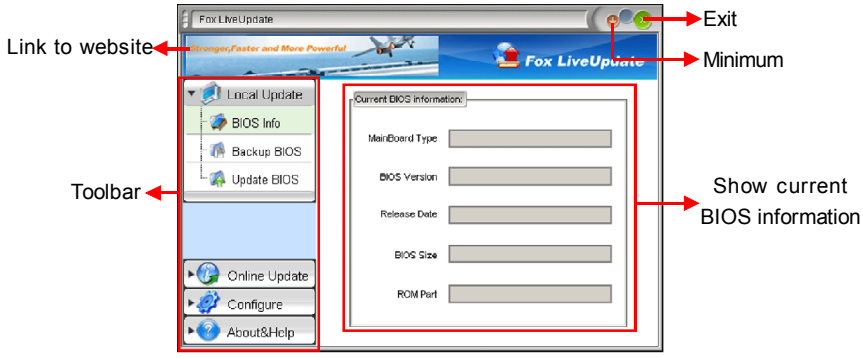
Supported Operating Systems:

-Windows 2000
-Windows XP (32-bit and 64-bit)
-Windows 2003 (32-bit and 64-bit)
-Windows Vista (32-bit and 64-bit)

Using FOX LiveUpdate:

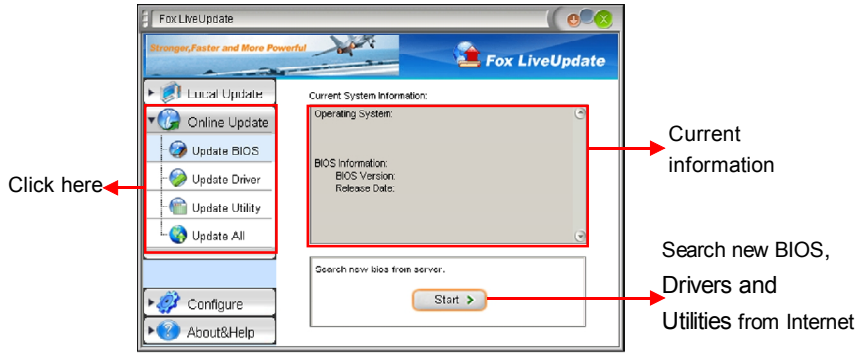
1. Local Update

"**BIOS Info**" tells you the system BIOS information; "**Backup BIOS**" could backup your system BIOS, please click this button, then key in a BIOS name and save it ; "**Update BIOS**" helps to update your system BIOS from local BIOS files, please follow the wizard to finish the operation.



2. Online Update

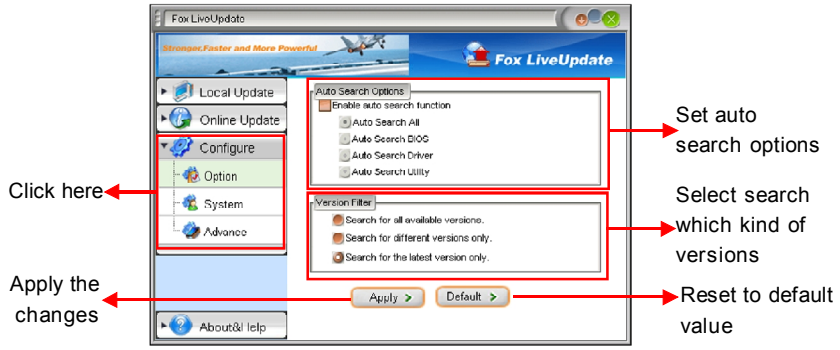
This area lets you update your system BIOS, Drivers, Utilities and all of them from Internet. Click "start", it will search the new BIOS, Drivers and Utilities from Internet. Then follow the wizard to finish the update operation.



3. Configure

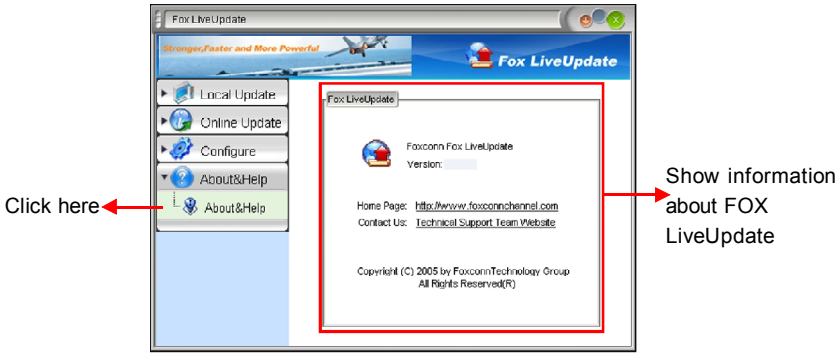
"**Option**" provides auto search options and version filter. After setting the auto search options, the utility will work in the background and the related information will show in a pop balloon notification;

click the "**System**" button, you can set the backup BIOS location and change different skin of the utility; "**Advance**"helps you to flash BIOS,Boot Block and clear CMOS, we recommend that you keep the default setting unchanged to avoid damagement.



4. About & Help

This page shows some information about FOX LiveUpdate.



FOX LOGO

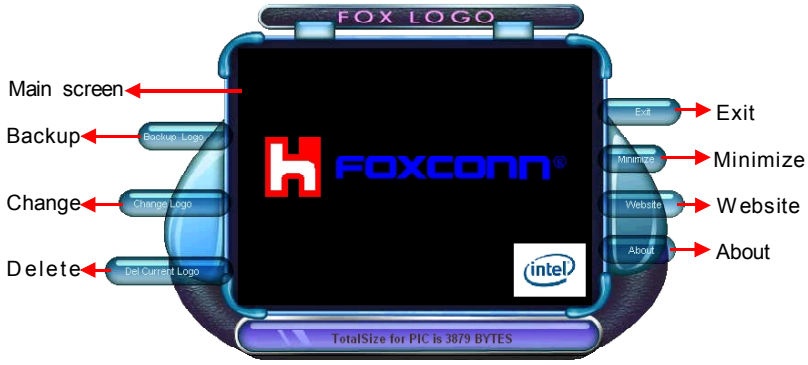
FOX LOGO is a simple and useful utility to backup, change and delete the boot Logo. The boot Logo is the image that appears on screen during the Power-On Self-Tests (POST).

Supported Operating Systems:

-Windows 2000
-Windows XP (32-bit and 64-bit)
-Windows 2003 (32-bit and 64-bit)
-Windows Vista (32-bit and 64-bit)

Using FOX LOGO:

Main Page



Warning:

When you change Logo or delete current Logo, the system will flash BIOS file automatically. During this time, please DO NOT shut down the application and the system, or the motherboard will be damaged seriously.

FOX DMI

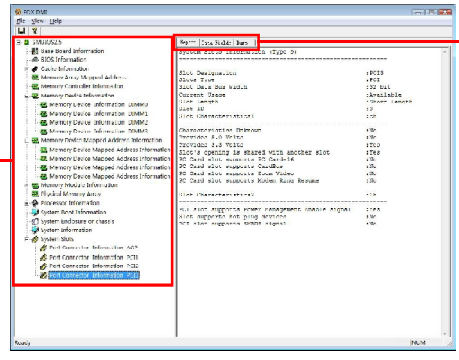
FOX DMI is a full DMI information viewer,and it supports three kinds of DMI Data format :Report, Data Fields and memory Dump.

Supported Operating Systems:

-Windows 2000
-Windows XP (32-bit and 64-bit)
-Windows 2003 (32-bit and 64-bit)
-Windows Vista (32-bit and 64-bit)

Using FOX DMI:

Please operate this utility as the comments shows .



Click here to select the type you want to view.

Click here to select the DMI Data format you need